



SS INSTITUTE OF PHARMACY

(A unit of VS Educational & Charitable Trust)

Approved by Tamilnadu Government & Pharmacy Council of India, New Delhi.
Affiliated to the Tamilnadu Dr. M.G.R. Medical University,
and The Directorate of Medical Education, Chennai.

Date : 09.01.2022

To

Managing Director,
Biomicron Pharma India,
Chennai,
Tamil Nadu.

Dear Sir/Madam,

Sub: Request for Financial Support and Guidance for R&D Work in Funded Project – Reg

This letter is to bring to your kind notice that we (SS Institute of Pharmacy, Salem) are involving our staff and students in research-oriented activities. In this regard, we kindly request your support and permission to undertake a consultancy-related project titled "*Development and Validation of HPLC Method for Quantitative Determination of Nicorandil in Oral Solid Dosage Forms*" in association with your esteemed organization. This collaboration will enrich our knowledge and foster the development of innovative ideas with social relevance.

Investigator: Mrs.K. Sowndharya, AP / SSIP

Thanking You ,



PRINCIPAL
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SS INSTITUTE OF PHARMACY.
KUPPANUR (PO), SANKARI (TK).
SALEM - 637301

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CIN NO: U52100TN2012PTC086554

REG NO: 86554

Contact: 04423652388

Email: biomiicron@gmail.com

Biomiicron
Pharma India Pvt.Ltd.

To

Mrs.K.Sowndharya
Assistant Professor,
SS Institute of Pharmacy,
Sankari, Salem.

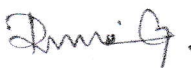
Dear Sir,

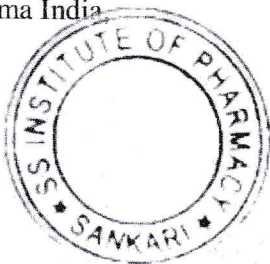
Subject: Acceptance and Provision of Financial Assistance for Funded Project – Reg.


We are pleased to inform you that the proposal submitted for the project titled "Development and Validation of HPLC Method for Quantitative Determination of Nicorandil in Oral Solid Dosage Forms" has been approved by our organization for possible funding of Rs. 1,00,000, as the project appears to be innovative. We kindly request the Principal Investigator to submit the monthly report.

Project title	Principal Investigator	Project duration
Development and Validation of HPLC Method for Quantitative Determination of Nicorandil in Oral Solid Dosage Forms	Mrs.K.Sowndharya	1.5 Years

Thanking you,


Managing Director,
Biomicron Pharma India
Chennai,




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ABSTRACT

Development and Validation of HPLC Method for Quantitative Determination of Nicorandil in Oral Solid Dosage Forms

This research focuses on the development and validation of a robust high-performance liquid chromatography (HPLC) method for the quantitative determination of Nicorandil in oral solid dosage forms. Nicorandil is a potassium channel opener used in the treatment of angina, and accurate quantification is critical for ensuring its therapeutic efficacy and safety in tablet formulations. The objective of this study is to establish a precise, sensitive, and reproducible analytical method that complies with ICH (International Council for Harmonisation) guidelines for method validation. The HPLC method will be developed using a suitable mobile phase, column, and detection wavelength to achieve optimal separation and resolution. Key validation parameters, such as linearity, accuracy, precision, specificity, and limit of detection (LOD) and limit of quantification (LOQ), will be evaluated. The method will be applied to analyze the Nicorandil content in marketed tablet formulations and in-house formulations to verify its reliability and consistency. This validated method will ensure the quality control of Nicorandil-containing dosage forms, thereby contributing to the pharmaceutical industry's goal of delivering safe and effective medications to patients.




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